Darl Hawkesbury 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due
PO039520	MES002- VC	q.	1	Net 30		4130 Steel Round Bar .375***; MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S- 6758 OR AMS 6348/6370/6528 receive ft			24	4/17/2018	24		S062939	Stock	4/19/2018	\$ 26.70 / ft	0	
						-		Total:	24		24							- 1

Plex 4/19/2018 1:15 PM Dart Dubois Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039520

Tel (613) 632-5200

Supplier: MES002-VC

Metaux Solutions

2625 boul Jacques-Cartiler Est

Longueuil

QC

J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044 PO No:

PO039520

PO Date: Due Date: 4/6/18 4/17/18

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: bid 26737

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (CAD)	Extended Price
1	M4130NR0.375		4130 Steel Round Bar .375" : MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S-6758 OR AMS 6348/6370/6528 receive ft	Firmed	4/17/18	24 ft	241	24 ft D 1 9-8	AS	\$640.80 9 2018

Line Item Note bar cut in half

Grand Total:

\$640.80

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 4/10/18 8:20 AM dart.lavoie.chantal

METAUX SOLUTIONS INC. 1825 BOUL JACQUES CARTIER EAT LONGUEUIL, QUEBEC Tel. : 450 64 1-3330

J4N 1L7

A Section 18 Comments of the C

Customer: 6323336

DART AEROSPAGE LTD 1270, ABERDEEN STREET HAWKESBURY, ONTARIO K6A 1K7

Shipping Order

13/04/2018

Order

: 134162

Reference

: 39520

Bid Ship : 26737

: PICK UP / PICK UP

Ship To

Same

Tel.: 1613 632-3336

Hem No.	Description		Qiy	Qty. Deliver	B/O Qty
	******* FACTURER E-MAIL ******* SUPER LE PACKING SLIP INSCRIRE LES HEAT N	IMPORTANT SUR			
	LE PACKING SLIP INSCRIRE LES HEAT N	IMPORTANT SUR			
7	******* FACTURER E-MAIL ******* SUPER I LE PACKING SLIP INSCRIRE LES HEAT N	MPORTANT SUR		,	
MR384130	4130N .375 DIAM		24	24	de
	2 bars cut in half				4
Sea.	ht;186921				
		A STANT			
	SHIP FEDEX COLLECT #151793240				
	JP				

Shipping :	Kef. :
Pachage No :	
Sterchandise Received:	

10165

Shipping Order

13/04/2018

METAUX SCLUTIONS INC

3625 BOUL JACQUES CARTIER EST

DART AEROSPACE LTD 1270, ABERDEEN STREET

HAWKESBURY, ONTARIO

LONGUEUIL, QUEBEC J4N 1L7

Tel.: 450 641-3330

Customer: 6323336

K6A 1K7

Order Reference : 134162 : 39520

Bid Ship : 26737 : PICK UP / PICK UP

Ship To

Same

Tel.: 1613 632-3336

SHIP FEDEX COLLECT #151793240

حزل

Shipping Package No		Ref.	
Merchandise !	Receivea:		

Ssidenor

MILL TEST CERTIFICATE

Vitoria Plant

ISO 9001, ISO-TS 16949, ISO 14001 Y OH9AS 18001



Product Made in Spain

CUSTOMER: MAGELLAN CORPORATION		WORKS REFERENCE: 1882035
REFERENCE: 210894	SALES ORDER: 294537-1	HEAT NUMBER: 186921
PRODUCT NR:	MASTER REFERENCE: 2218:	
	A THE STATE OF THE	L. A. A. C. L. C.
REQUIRED PRODUCT	- Just	
AISI4130 COUND BARS COLD DRAWN NORMAN	LIZING 0.3750 SPECIFICATION'S TOLERA	NCE 12'/12'2"
NORMAL		
EXPEDITION DELIVERY:	0080556260 WEIGHT (RG):4.403 BUND	DES:3 UNITS:2 130
MADE ACCORDING TO	- Jan	
, ASTM A108 - 15 08 2013 , SAE-AMS 2301	K 08.2010 SAE AMS 6348 0 10 2013	
SAE AMS 6370 N .05.2011 ; AISI BAR S	STEEL09 1996 , ASTM A304 2011 01.	10 2011
ASTM A322 2013 2013 ; ASTM A751	2014 01 03 2014 . SAE-AMS S6758 A S	EPT 2003
ASTM A331 95(R2000)2000 , ASTM A2	9-λ29M 2015 01 11 2015	
MAGELLAN MIC2016 1 30.01.2012 , MIS S	36758B-NOT2 23/06/95 - 23.06.1995	
EN 10204 :2004 OCT. 2004 3 1		
	Marin on Addition to the Control of	
CHEMICAL ANALYSIS OF REAT		U:% HEAT NUMBER:186921
C Mn Si P		Cu Al
Min 0,280 0,400 0,150	0,800 0,150	
Nax. 0,330 0,600 0,300 0,00		0_0,350
Cer. 0,290 0,460 0,250 0,03	14 0,003 0,850 0,220 0,164	0,210 0,003
D.I.ASTMA255(") .2,311		
JOMINY HARDENABILITY		HRC QUENCHING TEMP.: 1.600 'F
1/16* 2/16* 3/16* 4/1	A	9/16 10/16 11/16
ил. 49,0 46,0 42,0 38,0		26,0 26,0 25,0
Nax. 56,0 55,0 53,0 51,0		40,0 38,0 36,0
Cor 50,5 49,5 49,0 46,0		
	5. 16/16. 18/16. 20/16. 22/16.	24/16 26/16 28/16
ил 25,0 24,0 24,0 23,0		31,0 31,0 30,0
Max. 35,0 34,0 34,0 33,0 ces. 29,0 28,5 28,0 27,0		31,0 31,0 30,0 24,5 24,0 24,0
	20,3 20,0 23,3 23,0	24,0
30/16* 32/16*		
мак. 30,0 29,0		
00 F 00 0		
JOMINY Standard (ASTM A2S5 20	101	
JOMINI BEARDARD (AS.A A235	107	
INCLUSIONS (MICROINCLUSIONS)	-	
Standard (ASTM R45 201) 2013) .	Type/method (A) , A(t):0,5 , A(h):	0 ; B(t):1 , B(h):0 ; C(t):0
C(h) 10 : D(t):0,5 : D(h):0		
INCLUSIONS (MACROINCLUSIONS)		
Standard (SAE-AMS 2301 K 08,2010)	Severity(1):Promedio 0 . Severity(2)	:Individual 0
Frequency (1) : Promedio 0 ; Frequency (
1.204		
MECHANICAL PROPERTIES AS SUPPI	CIED (TEST)	
Hardness Standard (ASTM E10 2015 01.0	5 2015) ; Hardness (<= 241 HB):227 H	113
Core hardness (HB) 1229 HB		
ADDITIONAL TESTS		
Standard (ASTM E184 - 1999) ; decarbo	rization.:0,1 mm ; Standard (ASTM E	112 2013 0: 10 2013)
		delination and approximately to the facilities of the components of
•		
TECHNOLOGY & QUALITY CERT	IFIES THAT THE PRODUCT FULL PILLS TH	E ORDER SPECIFICAD
APPROVED BY IGNACIO URBIETA LAVIADA.	SIGN;	SIQUITORIA
DATE:24.10 2016	Page 1 of 2	Litakurion
	* *	of America
REF.:4001508410020	Analyst	Of Quality cortificates

Ssidenor

MILL TEST CERTIFICATE

Vitoria Plant

ISO 9001; ISO-TS 16949; ISO 14001 Y OHSAS 18001



Product Made in Spain

CUSTOMER: MAGELLAN CORPORATION	WORKS REFERENCE: 1882035
REFERENCE: 210894	SALES ORDER:294537-1 HEAT NUMBER.186921
PRODUCT NR:	MASTER REFERENCE: 221827 ROLLED: 23.06.2016
Grain size: Austenitic 7; Standard (ASTM E: macroetching(2):R 1; macroetching(3):C 1	
NON DESTRUCTIVE TESTS	
Surface defects standard (ASTM E709 2014 01	.03.2014) ; Cracks control 100%: O.K.
Absence internel defects guanteed by procce	85
ADDITIONAL INFORMATION	
Reduction ratio: 305,9 , Material is free for	rom any harmful magnetism
Melting Process: Electric Purmace and Vacuu	m Degassed; Continuous Casting 155 x 155 mm.
Product Made in Spain , Steel melted in Spi	min ; Material according to AMS/ MIL 8-6758 COND. D4
Material is free of mercury and radioactivi	ty contamination , No weld repair performed
Furnace calibration O.K ; Steel is fr	ee from harmful radioactive contamination

Material melted and manufactured 100% in Spain through the Electric Arc Furnace and Vacuum Degassing route Steel not exposed to Mercury, or to any other metal alloy that is liquid, at ambient temperatures during processing or while in Sidenor's possession

Steel is free from Uranium or any other harmful radioactive contamination

Steel products were not repaired by welding

				1	-
TECHNOLOGY & QUALITY CERTIFIES	THAT THE	PRODUCT FULL	FILLS THE ORDER	SEGENO!	
APPROVED BY: IGNACIO URBIETA LAVIADA DATE:24.10 2016		2 of 2	SIGN:	S VITORIA.	
DATE:24.10 2010			Analyst of Quality	y certificates	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL:	14/30NRO-375 APR 1 9 2018	ро / ватсн no.: <u>039520/506</u> 2937
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	Yes 24' 24'	THICKNESS ORDERED: 0.375 THICKNESS RECEIVED: 0.375 SHEET SIZE ORDERED: V/A SHEET SIZE RECEIVED: V/A

DESCRIPTION	(Ch	CR leck (N)	COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(1)	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Am S 639X
CORRECT THICKNESS	N	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	(2)	N	Hertif 186921
CORRECT MATERIAL IDENTFICATION	8	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(2)	

CUT SAMPLE PIECE OF	MATERIAL A			SS CHECK.	
	CECOND RES	OLIS BELO	VV		
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 11	SIGNED OFF BY:
DATE: 9-89 APR 1 9 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED (APPROVED	DRAWING NO. M4130N-R	REV. A
DATE 02.04.19		TITLE 4130 ROUND BAR	SCALE
A	02 04.19	NEW ISSUE	

PURCHASE MATERIAL: AIST 4130N ROUND BAK PER MIL-5-6758 OR AMS 6348/4370/6528

PART NUMBER:

M4130N - RD. DDD | WHORE D. DDD = DIAMETER IN INCHES DIA

EG. 7/8" ROUND BAR = M4130N-RO.875



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